

### Program Registration & Fees:

The operator training program has changed the registration process to an electronic format that facilitates online registration and payment options, including credit cards. This format also allows participants to create and manage their own student records to track class participation and print completion certificates.

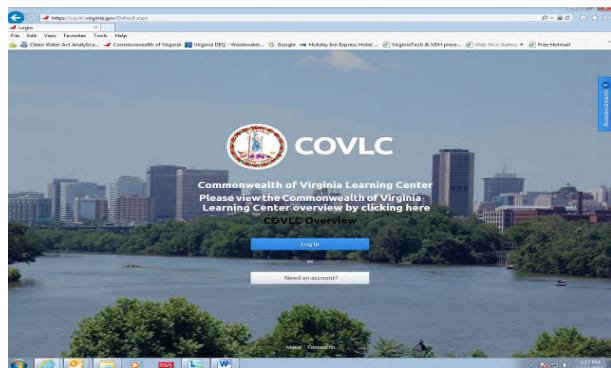
The online method must be used to register for all wastewater operator training workshops. No paper registration forms will be accepted; however payment by check will still be acceptable option.

### Virginia Learning Center (VLC) Registration:

DEQ's Virginia Learning Center (VLC) is an online Learning Management System that can be used to enroll in classroom courses, launch online training and access other useful learning resources. If you already have a profile in the old knowledge center (KC) database, use your username and password to login to the VLC.

In order to create your profile in the VLC, kindly follow the link below:

<https://covlc.virginia.gov>



Once a profile has been created and an online ID has been selected you will be granted access to the VLC to begin monitoring your training activities.

For additional information regarding the registration process contact DEQ program staff.

### Program Content:

Current programs have been selected based on identified needs and location availability. These programs and others are offered periodically, at different locations, throughout the year. If you would like to receive notification, by email, contact the operator training program staff.

Complete descriptions of the training programs are available upon request.

### Program Approval:

Unless otherwise noted, these courses have been approved by the Virginia Board for Waterworks and Wastewater Works Operators and Onsite Sewage System Professionals for training credits. Approved programs can, when applicable, be used as substitution for required operational experience.

### Continuing Professional Education (CPE):

Where appropriate, these workshops can be used for continuing professional education (CPE) requirements as defined by the Board. Registrants will typically receive up to 7 contact hours for each full day of completed training and 3.5 contact hours for each ½ day of completed training.

A full day is defined as 8:30 am – 4:30 pm minus 1 hour for lunch. A ½ day is defined as 8:30am – 12 noon (or 1:00pm – 4:30pm).

### Additional Information:

For additional program information contact DEQ program staff:

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# Wastewater Operator Training Programs



January – March 2019

Operator Training and Assistance Program  
Water Permitting Division  
Department of Environmental Quality  
P.O. Box 1105  
Richmond, Virginia 23218

**DEQ, Wastewater Operator Training Program List**  
**January – March 2019**

<b>Course #</b>	<b>Course Name</b>	<b>Dates</b>	<b>Location</b>	<b>Price</b>
DEQ 16	VPDES Permit Reporting	January 29 8:30 PM- 12:30 PM	DEQ Central Office Richmond, VA	\$37.50
DEQ 17	Nutrient General Permit Reporting	January 29 1:30 PM- 4:30 PM	DEQ Central Office Richmond, VA	\$37.50
DEQ 100	Wastewater Works Operators Licensure Review	February 4 – 7 M-W 8:30 AM – 4:30 PM TH 8:30 AM – 11:30 AM	Augusta County Gov. Center Verona, VA	\$262.50
DEQ 21	Activated Sludge Process Control, Part 3 (Microscopic Examination)	February 12 - 13 8:30 AM - 4:30 PM	DEQ, Piedmont Regional Office Glenn Allen, VA	\$150.00
DEQ 100	Wastewater Works Operators Licensure Review	February 25 - 28 M-W 8:30 AM – 4:30 PM TH 8:30 AM – 11:30 AM	HRSD Headquarters Virginia Beach, VA	\$262.50
DEQ 100	Wastewater Works Operators Licensure Review	March 5 - 8 T- TH 8:30 AM – 4:30 PM Fri. 8:30 AM – 12:30 PM	Western VA Water Authority Roanoke, VA	\$262.50
DEQ 21	Activated Sludge Process Control, Part 3 (Microscopic Examination)	March 19 - 20 8:30 AM - 4:30 PM	Middle River WWTP Verona, VA	\$150.00
DEQ 14	Activated Sludge Process Control, Part 2 (Calculations & Troubleshooting)	March 26 – 27 8:30 AM - 4:30 PM	King George Water Authority Dahlgren, VA	\$150.00
DEQ 14	Activated Sludge Process Control, Part 2 (Calculations & Troubleshooting)	March 28 - 29 8:30 AM - 4:30 PM	King George Water Authority Dahlgren, VA	\$150.00

## Program Descriptions:

### DEQ 13: Activated Sludge Process Control (ASPC), Part 2

This two (2) day workshop provides knowledge and skills required to evaluate and control the operation of an activated sludge treatment plant. The program will focus on the basic and advanced process control strategies, process control calculations, data interpretation and process troubleshooting. The program's hands on activities will include analysis of operational data, performing process control calculations; using calculated data to adjust operating levels and troubleshooting activated sludge treatment process performance problems. Managers, operators and operator trainees of activated sludge treatment systems will find this program very helpful. **\*This class qualifies for Utility Management CPE contact hours.**

### DEQ 16: VPDES Permit:

This program is designed to review recordkeeping and reporting requirements associated with the Virginia Pollutant Discharge Elimination System (VPDES) permit. The program will include discussions of recordkeeping requirements and the various reporting requirements established in VPDES permits. The program will include hands on exercises in performing required calculations and completing a VPDES monthly discharge monitoring report (DMR). **\*This class qualifies for Utility Management CPE contact hours.**

### DEQ 17: Nutrient General Permit:

This program is designed to identify reporting requirements associated with the General Permit for Total Nitrogen and Total Phosphorus Discharges in the Chesapeake Bay Watershed. The program will review what reports must be submitted to comply with permit requirements and will focus on the methods and procedures required for completion of the Nutrient General Permit monthly discharge monitoring report (DMR) and Annual Report Form. The program will include hands on exercises in performing required calculations and completing a DMR. **\*This class qualifies for Utility Management CPE contact hours.**

### DEQ 21: Activated Sludge Process Control, Part 3

This two (2) day workshop provides the knowledge and skills required to evaluate and control the operation of an activated sludge treatment plant using microscopic examination. The program will focus on the basic and more advanced microscope techniques, including observation of protozoa and filament identification. The program's hands on activities will include identifying microscope components, setting up and using the microscope, examining wet mount slides, biological staining procedures and troubleshooting process performance using activated sludge microorganisms identification. Participants are encouraged to bring a sample of activated sludge from their plant for use in the class. Managers, operators and operator trainees of activated sludge treatment systems will find this program very helpful.

### DEQ 100: Wastewater Works Operators Licensure Review

These three and one-half day workshops provide a comprehensive overview of the subject matter covered in all classes (Class 4 – 1) of the Associations of Board of Certifications (ABC) Virginia wastewater licensing examinations. The programs will focus on the information outlined in the Candidate Information Bulletin (CIB) provided by the exam vendor. The programs do not teach the actual licensing exams, and no actual exam questions are used as examples or in class evaluation processes (quizzes and final exams). However, there will be many examples of practice questions covered during the workshop. Operators and operator trainees of wastewater treatment plants who are planning to take the ABC wastewater works licensing exams will find this program very helpful. **\*This class qualifies for Utility Management CPE contact hours.**